APPENDIX C

M E M O R A N D U M

TO: J.E. Wickham
Philip Morris USA

FROM: Boyd Fagan
U.S. Testing Co.

SUBJECT: Interim Summary Report of Phase I, Project #032717

DATE: May 30, 1989

This summary report addresses the initial phase of testing as agreed upon in earlier discussions (ref: our memorandum report of project #032538), and as reviewed during our conference in Richmond on May 11, 1989.

A review of the data obtained through May 10 indicates that the measuring system appears to be functioning in accordance with its stated purpose, which is to make quantitative measurements directly proportional to the smoke produced by the static burning of cigarettes.

During the referenced conference, it was agreed to re-title several of the parameters in the data printout as follows:

1) "% Extinction" would be changed to "% Attenuation"
2) "SBT" (Static Burning Time) would be changed to "SBT, min."
3) R Conc would be re-titled "Extinction Coefficient"

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The means of expressing differences in the smoke produced was understood to be "X% less than" or "Y% greater than" the reference cigarette chosen. This would be done by plotting "Extinction Coefficient" vs "% smoke" with Marlboro Lights plotted as 100%.

An illustration of this is shown in Figure I attached, which also serves as an example of the efficacy of the proposed measuring system. Please note that this is a simple 2-point plot at zero and 100%. Determinated from this curve the average value of sample 9DBI is shown to be 25%. With only 2 values for ML8-BI, which represents a 50:50 mixture of 9DBI and ML8, the theoretical value would be 62.5% and the actual measured value from the curve is 65%, which is within the expected range of deviation.

The calibration data using the neutral density filters arrived too late to be incorporated into this memo, but is referred to as corollary to this report, and will be included in our final project report.

The final details of Phase II testing were also agreed upon.

Boyd Fagan

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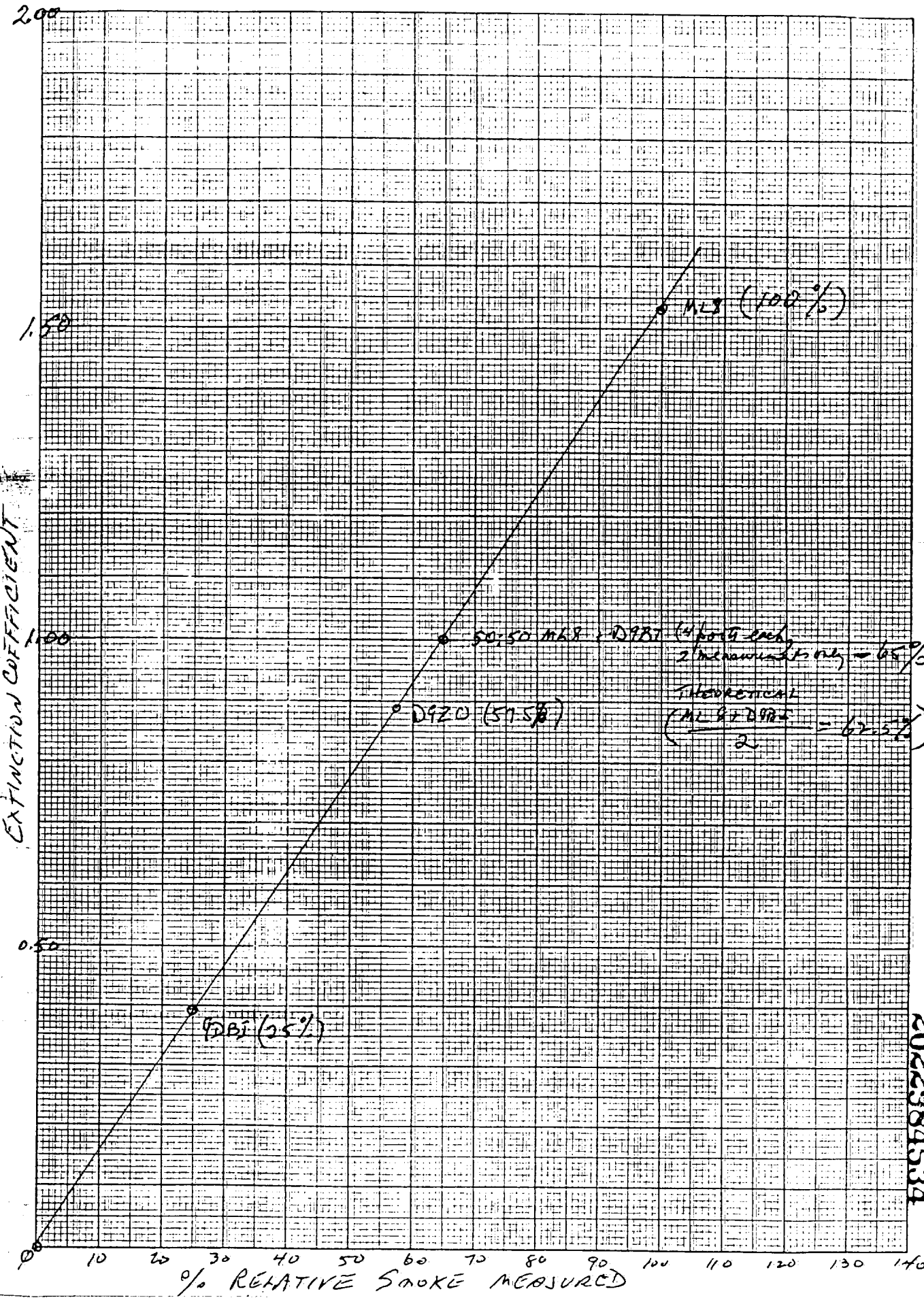

10 X 10 TO ½ INCH 46 1 70
7 X 10 INCHES MADE IN U.S.A.
KEUFFEL & ESSER CO.

Source: https://www.industrydocuments.ucsf.edu/docs/tnkm0000

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